

0590
0411

#8



OICE

RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/09/941,492

TIME: 10:18:53

Input Set : A:\09941492sequencelisting.txt

Output Set: N:\CRF3\04162002\I941492.raw

P6

C--> 3 <110> APPLICANT: Mitchell, Lloyd
 4 Garcia-Blanco, Mariano M.
 5 Puttaraju, Madaiah
 6 Mansfield, Gary S.
 9 <120> TITLE OF INVENTION: METHODS OF COMPOSITIONS FOR USE IN
 10 SPLICEOSOME MEDIATED RNA TRANS-SPLICING
 13 <130> FILE REFERENCE: A31304-BAE (072874.0156)
 15 <140> CURRENT APPLICATION NUMBER: 09/941,492
 16 <141> CURRENT FILING DATE: 2002-04-01
 18 <150> PRIOR APPLICATION NUMBER: 09/838,858
 19 <151> PRIOR FILING DATE: 2001-04-20
 21 <150> PRIOR APPLICATION NUMBER: 09/756,096
 22 <151> PRIOR FILING DATE: 2001-01-08
 24 <150> PRIOR APPLICATION NUMBER: 09/158,863
 25 <151> PRIOR FILING DATE: 1998-09-23
 27 <150> PRIOR APPLICATION NUMBER: 09/133,717
 28 <151> PRIOR FILING DATE: 1998-08-13
 30 <150> PRIOR APPLICATION NUMBER: 09/087,233
 31 <151> PRIOR FILING DATE: 1998-05-28
 33 <150> PRIOR APPLICATION NUMBER: 08/766,354
 34 <151> PRIOR FILING DATE: 1996-12-13
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 38 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 41 <211> LENGTH: 132
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Homo sapien
 45 <400> SEQUENCE: 1
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 47 aaatcttttg tgatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgtagat 120
 48 tccattcaaa aa 132
 50 <210> SEQ ID NO: 2
 51 <211> LENGTH: 29
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Corynebacterium diphtheriae
 55 <400> SEQUENCE: 2
 56 ggcgctgcag ggcgctgatg atgttggtg 29
 58 <210> SEQ ID NO: 3
 59 <211> LENGTH: 36
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Corynebacterium diphtheriae
 63 <400> SEQUENCE: 3
 64 ggcgaagctt ggatccgaca cgatttcctg cacagg 36

ENTERED

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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Oligonucleotide
74 <400> SEQUENCE: 4
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76 ttcctgca 68
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 60
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Oligonucleotide
86 <400> SEQUENCE: 5
87 ggaaaaaaa gaagaggtac cagttagtag tcgagtcagg cccgggtgaa gcatctagag 60
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 24
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Oligonucleotide primer
98 <400> SEQUENCE: 6
99 tcgagcaacg ttataataat gtgc 24
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 24
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Oligonucleotide primer
109 <400> SEQUENCE: 7
110 tcgagaacat tattataacg ttgc 24
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 35
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Oligonucleotide primer
120 <400> SEQUENCE: 8
121 aattctctag atcaggcccc ggtgaagcac tcgag 35
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 25
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Oligonucleotide primer
131 <400> SEQUENCE: 9
132 tgcttcaccc gggcctgac tagag 25

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135 <211> LENGTH: 18
136 <212> TYPE: DNA
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142 <210> SEQ ID NO: 11
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144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapien
147 <400> SEQUENCE: 11
148 ctcttctttt ttttcc 16
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 18
152 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapien
155 <400> SEQUENCE: 12
156 caacgttata ataatgtt 18
158 <210> SEQ ID NO: 13
159 <211> LENGTH: 16
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapien
163 <400> SEQUENCE: 13
164 ctgtgattaa tagcgg 16
166 <210> SEQ ID NO: 14
167 <211> LENGTH: 16
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapien
171 <400> SEQUENCE: 14
172 cctggacgcg gaagtt . 16
174 <210> SEQ ID NO: 15
175 <211> LENGTH: 51
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapien
179 <400> SEQUENCE: 15
180 ctgggacaag gacactgctt caccgcgtta gtagaccaca gccctgaagc c 51
182 <210> SEQ ID NO: 16
183 <211> LENGTH: 17
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapien
187 <400> SEQUENCE: 16
188 cttctgtttt tttctc 17
190 <210> SEQ ID NO: 17
191 <211> LENGTH: 16
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapien
195 <400> SEQUENCE: 17
196 cttctgtatt attctc 16
198 <210> SEQ ID NO: 18

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199 <211> LENGTH: 16
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206 <210> SEQ ID NO: 19
207 <211> LENGTH: 29
208 <212> TYPE: DNA
209 <213> ORGANISM: Corynebacterium diptheriae
211 <400> SEQUENCE: 19
212 ggcgctgcag ggcgctgatg atgttggtg 29
214 <210> SEQ ID NO: 20
215 <211> LENGTH: 36
216 <212> TYPE: DNA
217 <213> ORGANISM: Corynebacterium diptheriae
219 <400> SEQUENCE: 20
220 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
222 <210> SEQ ID NO: 21
223 <211> LENGTH: 21
224 <212> TYPE: DNA
225 <213> ORGANISM: Corynebacterium diptheriae
227 <400> SEQUENCE: 21
228 catcgtcata atttccttgt g 21
230 <210> SEQ ID NO: 22
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Corynebacterium diptheriae
235 <400> SEQUENCE: 22
236 atggaatcta cataaccagg 20
238 <210> SEQ ID NO: 23
239 <211> LENGTH: 20
240 <212> TYPE: DNA
241 <213> ORGANISM: Corynebacterium diptheriae
243 <400> SEQUENCE: 23
244 gaaggctgag cactacacgc 20
246 <210> SEQ ID NO: 24
247 <211> LENGTH: 20
248 <212> TYPE: DNA
249 <213> ORGANISM: Corynebacterium diptheriae
251 <400> SEQUENCE: 24
252 cggcaccgtg gccgaagtgg 20
254 <210> SEQ ID NO: 25
255 <211> LENGTH: 30
256 <212> TYPE: DNA
257 <213> ORGANISM: Homo sapien
259 <400> SEQUENCE: 25
260 accggaattc atgaagccag gtacaccagg 30
262 <210> SEQ ID NO: 26
263 <211> LENGTH: 20

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Input Set : A:\09941492sequencelisting.txt

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264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapien
267 <400> SEQUENCE: 26
268 gggcaaggtg aacgtggatg 20
270 <210> SEQ ID NO: 27
271 <211> LENGTH: 19
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapien
275 <400> SEQUENCE: 27
276 atcaggagtg gacagatcc 19
278 <210> SEQ ID NO: 28
279 <211> LENGTH: 39
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
285 Escherichia coli lacZ gene
287 <400> SEQUENCE: 28
288 gcatgaattc ggtaccatgg gggggttctc atcatcatc 39
290 <210> SEQ ID NO: 29
291 <211> LENGTH: 36
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
297 Escherichia coli lacZ gene
299 <400> SEQUENCE: 29
300 ctgaggatcc tcttacctgt aaacgccccat actgac 36
302 <210> SEQ ID NO: 30
303 <211> LENGTH: 38
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
309 Escherichia coli lacZ gene
311 <400> SEQUENCE: 30
312 gcatggtaac cctgcagggc ggcttcgtct gggactgg 38
314 <210> SEQ ID NO: 31
315 <211> LENGTH: 38
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
321 Escherichia coli lacZ gene
323 <400> SEQUENCE: 31
324 ctgaaagctt gttaacttat tatttttgac accagacc 38
326 <210> SEQ ID NO: 32
327 <211> LENGTH: 47
328 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/941,492

DATE: 04/16/2002
TIME: 10:18:54

Input Set : A:\09941492sequencelisting.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70

Seq#:55; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70

Seq#:56; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70

Seq#:85; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:85; N Pos. 28,29,30